APS Upgrade

Coherence and Imaging Workshop Agenda

July 11, 2006, 1:30-5:30 p.m.
Building 402, Room E1100/E1200

Tuesday, July 11, 2006	
1:30–1:35 pm	Introduction
1:35–2:00 pm	Possible technical specifications for an upgraded APS storage ring **Michael Borland, Advanced Photon Source**
2:00–2:25 pm	How x-ray intensity fluctuation spectroscopy can push the boundaries of materials science **Mark Sutton, McGill University**
2:25–2:50 pm	Coherent diffraction plans for Diamond **Ian Robinson, University College London and Diamond Light Source**
2:50–3:10 pm	Prospects for x-ray photon correlation spectroscopy on biological materials in water **Larry Lurio, Northern Illinois University**
3:10–3:30 pm	Break
3:30–3:55 pm	Coherent diffraction imaging: APS upgrade and future prospects **Qun Shen, Advanced Photon Source**
3:55–4:15 pm	If I had a trillion photons: coherent flux and new possibilities in quantum dynamics **Oleg Shpyrko, Center for Nanomaterials**
4:15–4:40 pm	A long imaging beamline: scientific and technical aspects **Wah-Keat Lee, Advanced Photon Source**
4:40–4:50 pm	Prospects for studying surface dynamics at an upgraded APS **Michael Sprung, Advanced Photon Source**
4:50-5:05 pm	Fluctuation x-ray microscopy – future perspectives **Lixin Fan, Advanced Photon Source**
5:05–5:30 pm	Discussion